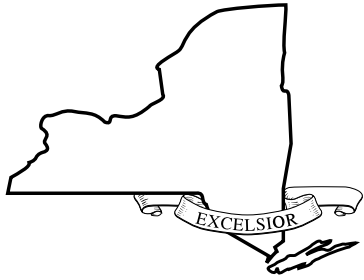


Name: \_\_\_\_\_



# ***New York State Testing Program***

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## **Mathematics Test Session 1**

**Grade 3**

**Spring 2024**

**RELEASED QUESTIONS**

# Session 1



## TIPS FOR TAKING THE TEST

Here are some ideas to help you do your best:

- Read each question carefully. Take your time.
- You have a ruler that you can use on the test if it helps you answer the question.

- 1** There are 40 stickers on a sheet of paper. The stickers are in rows with 8 stickers in each row. Which expression represents how to find the number of rows of stickers on the sheet of paper?

**A**  $40 \div 8$   
**B**  $40 - 8$   
**C**  $40 \times 8$   
**D**  $40 + 8$

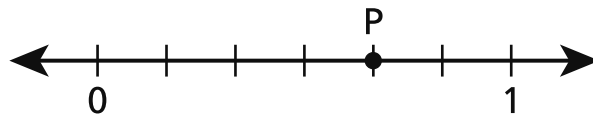
- 2** A number is rounded to the nearest ten. The result is 300. Which number could be the number before it was rounded?

**A** 289  
**B** 296  
**C** 308  
**D** 315

**GO ON**

4

Which fraction is represented by point P on the number line below?



A  $\frac{2}{6}$

B  $\frac{4}{6}$

C  $\frac{3}{7}$

D  $\frac{5}{7}$

**GO ON**

**8**

A librarian has 9 boxes of books. Each box has 8 books. Which expression represents how to find the total number of books the librarian has?

**A**     $9 - 8$

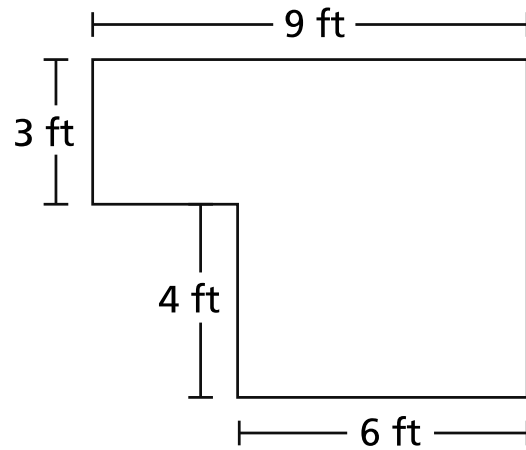
**B**     $9 + 8$

**C**     $9 \div 8$

**D**     $9 \times 8$

9

A diagram of a flower garden is shown below.



What is the total area, in square feet, of the flower garden?

- A 22
- B 27
- C 51
- D 54

**GO ON**

**12** Which fraction is equivalent to 3 ?

**A**  $\frac{1}{3}$

**B**  $\frac{3}{1}$

**C**  $\frac{3}{3}$

**D**  $\frac{6}{3}$

**13** A teacher covers a wall with 100 square pictures made by students. The pictures are the same size, and the wall is covered completely without any gaps or overlaps. Each picture has side lengths of 1 foot. What is the total area of the wall?

**A** 1 foot

**B** 100 feet

**C** 1 square foot

**D** 100 square feet

**GO ON**

**18** Which expression is equivalent to  $5 \times 4$ ?

**A**  $(5 + 2) \times (5 + 2)$

**B**  $(5 \times 2) + (5 \times 2)$

**C**  $(5 + 2) + (5 + 2)$

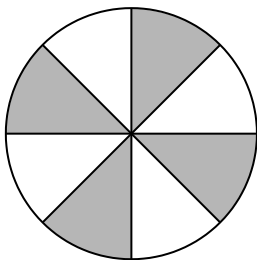
**D**  $(5 \times 2) \times (5 \times 2)$



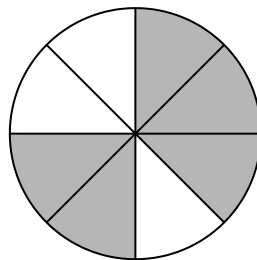
21

In which model is the fraction of the whole shaded to represent the fraction  $\frac{3}{8}$ ?

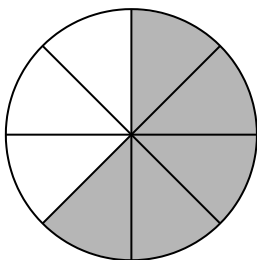
A



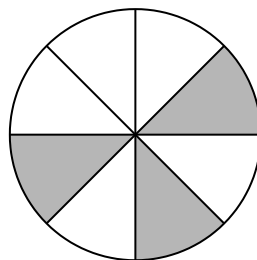
C



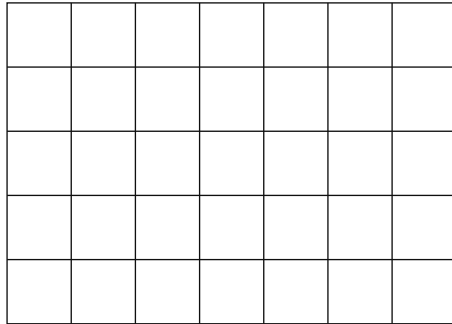
B




D



A rectangle is shown below.



KEY	
	= 1 square cm

Which expression **cannot** be used to find the area, in square centimeters, of the rectangle?

- A  $5 + 5 + 5 + 5 + 5 + 5 + 5$
- B  $7 + 7 + 7 + 7 + 7$
- C  $5 \times 7 \times 5 \times 7$
- D  $7 \times 5$

**25** What number multiplied by 8 equals 48 ?

**A** 4

**B** 6

**C** 7

**D** 8

**STOP**

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**Grade 3  
Mathematics Test  
Session 1  
Spring 2024**

Name: \_\_\_\_\_



# ***New York State Testing Program***

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## **Mathematics Test Session 2**

**Grade 3**

**Spring 2024**

**RELEASED QUESTIONS**

# Session 2

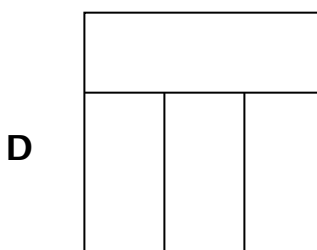
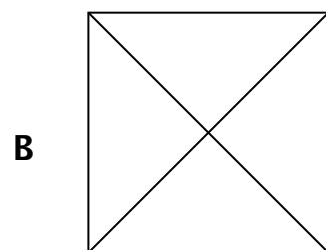
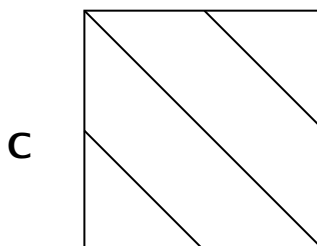
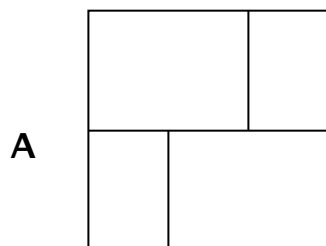


## TIPS FOR TAKING THE TEST

Here are some ideas to help you do your best:

- Read each question carefully. Take your time.
- You have a ruler that you can use on the test if it helps you answer the question.
- Be sure to show your work when asked.
- Be sure to explain your answer when asked.

- 26** Which square appears to be divided into parts that each have an area of  $\frac{1}{4}$  of the whole?



- 27** A number pattern is shown below.  
1, 5, 9, 13, . . .


What are the next three numbers in the pattern?

- A** 16, 19, 22
- B** 16, 20, 24
- C** 17, 20, 23
- D** 17, 21, 25

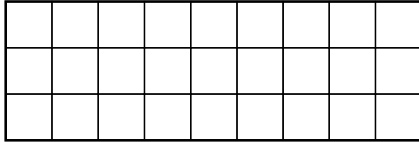
**GO ON**

28

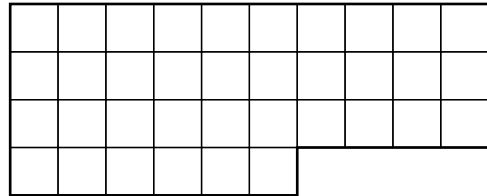
A bathroom floor has an area of 36 square feet. Which figure could represent the area of the bathroom floor?

KEY	
	= 1 square foot

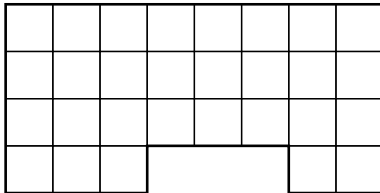
A



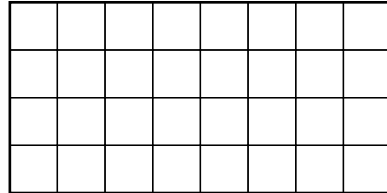
C



B



D



29

Cecilia is creating holes to plant seeds in her garden. She has 12 corn seeds and 15 bean seeds and will plant all of the seeds. Which set of equations can be used to find the total number of holes,  $h$ , Cecilia will create if she puts exactly 3 seeds of the same type in each hole?

A

$$\begin{aligned} 12 \div 3 &= 4 \\ 15 \div 3 &= 5 \\ h &= 4 + 5 \end{aligned}$$

C

$$\begin{aligned} 12 - 3 &= 9 \\ 15 - 3 &= 12 \\ h &= 9 + 12 \end{aligned}$$

B

$$\begin{aligned} 12 \div 3 &= 4 \\ 15 \div 3 &= 5 \\ h &= 4 \times 5 \end{aligned}$$

D

$$\begin{aligned} 12 - 3 &= 9 \\ 15 - 3 &= 12 \\ h &= 9 \times 12 \end{aligned}$$

**GO ON**



**30**

Which two fractions are equivalent?

**A**    $\frac{2}{3}$  and  $\frac{3}{6}$

**B**    $\frac{1}{4}$  and  $\frac{4}{8}$

**C**    $\frac{2}{4}$  and  $\frac{3}{6}$

**D**    $\frac{1}{2}$  and  $\frac{2}{8}$

**GO ON**

31

**This question is worth 1 credit.**

It takes Heidi 15 minutes to walk from her home to school. If she leaves her home at 8:35 a.m., what time will Heidi get to school?

*Answer* \_\_\_\_\_ a.m.

**GO ON**

32

This question is worth 1 credit.

Write the number 3,194 in expanded form.

*Answer* \_\_\_\_\_

**GO ON**

33

This question is worth 1 credit.

Gayle earns 32 tickets at an event. She uses all of her tickets to buy 4 prizes and uses the same number of tickets to buy each prize. How many tickets does Gayle use to buy each prize?

Answer \_\_\_\_\_ tickets

**GO ON**

**This question is worth 2 credits.**

Ms. Linsey and Mr. Abbott are comparing the sizes of their bulletin boards. Ms. Linsey's bulletin board is 6 feet long and 5 feet wide. Mr. Abbott's bulletin board is 7 feet long and 4 feet wide. Which bulletin board has the greater area? Be sure to include the area, in square feet, of each bulletin board in your answer.

***Explain how you found your answer.***

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***GO ON***

35

This question is worth 2 credits.

A list of fractions is shown below.

$$\frac{2}{8}, \frac{1}{3}, \frac{3}{4}, \frac{2}{6}$$

Which **two** fractions from the list are equivalent? Be sure to include what you know about fractions in your answer.

*Explain how you know your answer is correct.*

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**GO ON**

36

This question is worth 2 credits.

A librarian is ordering new books. The cost of one book of each type is shown below.

**BOOK COST**

Type of Book	Cost
Picture book	\$5
Chapter book	\$6
Reference book	\$8

The librarian orders 20 picture books, 30 chapter books, and 10 reference books. What is the total cost of all the books the librarian orders?

*Show your work.*

*Answer* \$ \_\_\_\_\_

**GO ON**

37

This question is worth 2 credits.

Ms. Thompson buys 3 packages of clay for a project. Each package weighs 25 pounds. An equal amount of all the clay is given to each of 5 groups of students. How many pounds of clay does each group get?

*Show your work.*

*Answer* \_\_\_\_\_ pounds of clay

**GO ON**



**This question is worth 3 credits.**

The list below describes the distances between Manny's home, his school, and a park.

- The distance between his home and his school is  $\frac{3}{4}$  mile.
- The distance between his home and the park is  $\frac{3}{8}$  mile.

Does Manny live closer to the school or closer to the park? Be sure to include what you know about fractions in your answer.

***Explain your answer.***

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The distance between Pilar's home and the same park is  $\frac{5}{8}$  mile. Who lives closer to the park, Manny or Pilar? Be sure to include what you know about fractions in your answer.

***Explain your answer.***

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**STOP**